

STATE OF KANSAS
STATE CORPORATION COMMISSION
200 Colorado Derby Building
Wichita, Kansas 67202

WELL PLUGGING RECORD
K.A.R.--82-3-117

15-097-

API NUMBER 20446-0050

LEASE NAME Binford

WELL NUMBER 1-2

1320 Ft. from S Section Line

1320 Ft. from ^W~~S~~ Section Line

SEC. 2 TWP. 28S RGE. 16 () or ()

COUNTY Kiowa

Date Well Completed 3-3-78

Plugging Commenced 3-23-88

Plugging Completed 3-30-88

TYPE OR PRINT
NOTICE: Fill out completely
and return to Cons. Div.
office within 30 days.

LEASE OPERATOR ONEOK Exploration

ADDRESS R.R.#1 Box 122A El Reno, OK 73036-9702

PHONE# (405) 721-9264 OPERATORS LICENSE NO. 4548

Character of Well Oil

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

Did you notify the KCC District Office prior to plugging this well? yes

Which KCC Office did you notify? Dodge City

Is ACO-1 filed? _____ If not, is well log attached? yes

Producing Formation Cherokee Depth to Top _____ Bottom T.D. 4703'

Show depth and thickness of all water, oil and gas formations. Plug Back TD - 4673'

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put in	Pulled out
				8 5/8"	368'	None
				4 1/2"	4702'	2600'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet each set. 4 sx hull, 10 sx jell, 50 sx cement, 10 sx jell, 1 sx hull, dropped a plug, 120 sx cement, 60/40 POZ, 6% jell, Allied Cementing pumped cement

Paul Luthie & Elmo Morgenstern on location

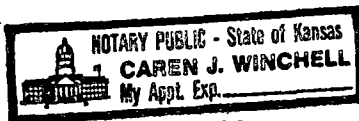
(if additional description is necessary, use BACK of this form.)

Name of Plugging Contractor Clarke Corporation License No. 5105

Address P.O. Box 187 Medicine Lodge, Ks 67104

STATE OF Kansas COUNTY OF Barber, ss.

Elmo Morgenstern (Employee of Operator) or (Operator) of above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed that the same are true and correct, so help me God.



(Signature) [Signature]

(Address) Medicine Lodge, Ks 67104

SUBSCRIBED AND SWORN TO before me this 1 day of April, 19 88

My Commission Expires: June 21, 1991

[Signature]
Notary Public

CONSERVATION DIVISION
Wichita, Kansas

4-4-1988

DRILLERS LOG

No. 1-2 Binford

CASING RECORD:

8 5/8" @ 368'
w/300 sx cement
4 1/2" @ 4,702'
w/200 sx cement

COMPANY: Imperial Oil Company

CONTRACTOR: Red Tiger Drilling Company

COMMENCED: January 24, 1978

COMPLETED: February 4, 1978

DESCRIPTION:

50' NW of C SW/4
Sec. 2-T28S-R16W
Kiowa County, Kansas

TOTAL DEPTH: 4,703'

ELEVATION: 2,114' KB

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Sand & Shale	0	375	
Shale	375	1040	
Anhydrite	1040	1055	
Shale	1055	2415	
Lime & Shale	2415	2640	
Lime	2640	3040	
Lime & Shale	3040	3220	
Lime	3220	3525	
Lime & Shale	3525	3750	
Lime	3750	4680	
Chert	4680	4690	
Mississippi	4690	4703	
RTD		4703	

I certify that this is a true and correct copy of the above log to the best of my knowledge.

RED TIGER DRILLING COMPANY

Gloria Fawcett
Gloria Fawcett

Subscribed and sworn to before me this 7th day of February, 1978.

Joyce A. Hagerman
Notary Public

RECEIVED
STATE CORPORATION COMMISSION

Wichita, Kansas

IMPORTANT
 Kans. Geo. Survey request
 samples on this well.

15-097-20446-
0550

WICHITA BRANCH
KANSAS DRILLERS LOG

S. 2 T. 28 R. 16 E
W

API No. 15 — 097 — 20,446
County Number

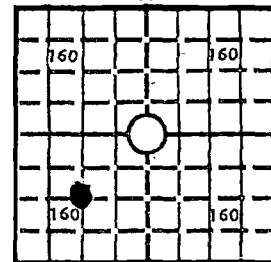
Loc. C SW

County Kiowa

Operator
Imperial Oil Co.

640 Acres
N

Address 700 Fourth Financial Center Wichita, Kansas 67202



Well No. #1-2 Lease Name Binford

Elev.: Gr. 2109'

Footage Location 1320 feet from (N) (S) line 1320 feet from (E) (W) line

Principal Contractor Red Tiger Drilling Co. Geologist Ed Donnelly

Spud Date 1-25-78 Total Depth 4703 P.B.T.D.

Date Completed 3-3-78 Oil Purchaser Permian Corp

DF 2111' KB 2114'

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
surface	12 1/2"	8 5/8"		368'	Litewt.	175	3% CaCl
					Common	125	3% CaCl
Production		4 1/2"		4702'	Halco Lite	175	
					Common	125	18% NaCl 2% CER ²

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	Super Jets	4638-4646'

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8	4635	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1000 gals. MCA with claystay	4638-4646'
35,000 Versa Frac, 15,000#, 20-40 sand	4638-4646'
	APR - 4 1938

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
3-24-78	pump
RATE OF PRODUCTION PER 24 HOURS	Producing interval(s)
Oil 88 bbls. MCF	Water Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)	Cherokee 4638-4646'

CONSERVATION DIVISION
Wichita, Kansas

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Imperial Oil Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Oil
Well No. 1-2	Lease Name Binford	
s 2 T 28 R 16 ^{NE} _W		C SW

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #1: 4628-4650 60-120-180-120 GTS: 2", 1" choke, rec. 950' fluid, (710' clean oil, 240' HOGCM & MCGO) ISIP: 1326# FSIP: 1106# IFP: 182-142 FFP: 81-263 DST #2: 4662-4680' 60-120-60-120 Fair flo thruout, rec. 65' mud, NS ISIP: 445# FSIP: 465# IFP: 20-20 FFP: 20-20 DST #3: 4679-4703' 30-45-45-45 Weak blo thruout. rec. 30' SOCM ISIP: 303# FSIP: 303# IFP: 20-20 FFP: 20-20			E-Log Tops	
	Herrington	2357	(- 243)	
	Winfield	2417	(- 303)	
	Towanda	2484	(- 370)	
	Ft. Riley	2534	(- 420)	
	Wreford	2682	(- 568)	
	Council Gr.	2716	(- 602)	
	Foraker	3019	(- 905)	
	Woodsiding	3178	(-1064)	
	Stotler	3330	(-1216)	
	Howard	3534	(-1420)	
	Topeka	3638	(-1524)	
	Heebner	3975	(-1861)	
Br. Lime	4128	(-2014)		
Lansing	4144	(-2030)		
Cherokee	4621	(-2507)		
Mississippi	4660	(-2559)		
RTD:				4703

RECEIVED
STATE CORPORATION COMMISSION

APR - 4 1978

CONSERVATION DIVISION
Wichita, Kansas

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received	<i>Wanda M. Brown</i>
	Signature
	Chief Geologist
	Title
	March 30, 1978
	Date

DRILLERS LOG

No. 1-2 Binford

CASING RECORD:

8 5/8" @ 368'
w/300 sx cement

4 1/2" @ 4,702'
w/200 sx cement

TOTAL DEPTH: 4,703'

COMPANY: Imperial Oil Company

CONTRACTOR: Red Tiger Drilling Company

COMMENCED: January 24, 1978

COMPLETED: February 4, 1978

DESCRIPTION:

50' NW of C SW/4
Sec. 2-T28S-R16W
Kiowa County, Kansas

ELEVATION: 2,114' KB

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Sand & Shale	0	375	
Shale	375	1040	
Anhydrite	1040	1055	
Shale	1055	2415	
Lime & Shale	2415	2640	
Lime	2640	3040	
Lime & Shale	3040	3220	
Lime	3220	3525	
Lime & Shale	3525	3750	
Lime	3750	4680	
Chert	4680	4690	
Mississippi	4690	4703	
RTD		4703	

I certify that this is a true and correct copy of the above log to the best of my knowledge.

RED TIGER DRILLING COMPANY

Gloria Fawcett
Gloria Fawcett

Subscribed and sworn to before me this 7th day of February, 1978.

James A. Hagerman
Notary Public

RECEIVED
STATE CORPORATION COMMISSION

FEB 22 1978